

# CONVERGENT TECHNOLOGIES

## CTIX SPREADSHEET

### Features

- Sophisticated financial planning and modeling package for Convergent Technologies MegaFrame™ and MiniFrame™ systems
- Based on and compatible with Supercomp-Twenty™ software
- An integrated facility of the CTIX™ Office System environment
- Supported by Convergent Technologies PT and GT intelligent terminals
- Multiple window support for concurrent display of spreadsheets and CTIX documents as well as for multiple views of individual spreadsheets
- Supports large spreadsheets of up to 1000 rows by 1000 columns
- Friendly interface, consistent with CTIX Word Processing that is easy to learn and offers comprehensive "HELP" functions
- Provides external reference capability that allows data from one financial spreadsheet to be used in multiple spreadsheets
- Permits rows and columns or intersections of rows and columns to be addressed by symbolic names
- Extensive sorting, formatting, and printing options
- Capability to dump or load multiple data files to or from symbolic ASCII format for editing or processing by other programs
- CTIX Office System Environment allows data and text to be copied among spreadsheets, word processor documents, and electronic mail

### DESCRIPTION

The CTIX Spreadsheet software is a sophisticated financial modeling and planning software package, designed specifically for financial and business planning, analysis, budgeting, and forecasting. It is primarily intended to be used by OEM's who develop applications and employ the spreadsheet capabilities as a complementary part of their total system. CTIX Spreadsheet on Convergent Technologies CTIX based systems is superior and more versatile than other financial planning packages in the market. It is supported by both Convergent's PT and GT intelligent terminals in a multiple-window, multifunction environment.

One of the most powerful features of CTIX Spreadsheet is the external reference capability that allows data from one financial spreadsheet to be used in multiple spreadsheets. This eliminates the need for the user to re-enter data and thus reduces the possibility of error by limiting the data to a single validated source. In addition, multiple data files can be dumped or loaded to or from symbolic ASCII formats for editing or processing by other programs.

The Convergent CTIX Spreadsheet software has a friendly interface with multi-level "HELP" functions. It also offers an extensive set of sorting, formatting, and printing features. For the convenience of the user, rows and columns or intersections of rows and columns can be addressed by symbolic names. Financial calculation formulas can also be easily edited.

Taking full advantage of the comprehensive display attributes of Convergent Technologies intelligent PT and GT video displays, CTIX Spreadsheet offers multiple windows that allow the user to display multiple sections of charts or tables simultaneously for comparison and analysis. Users may also take advantage of the CTIX Window Management Facility to display additional spreadsheets, word processing documents and electronic mail.

Carefully designed and developed for OEM business executives and managers, CTIX Spreadsheet provides a fourth dimension in the methods of calculation, a way to manipulate data for planning or forecasting by asking "what if" questions.

Among the important advantages that CTIX Spreadsheet offers are:

- Provides an active spreadsheet of up to **1000 rows** and **1000 columns**, in which text, numbers, and formulas may be entered in blocks, named "cells"
- The ability to name cells or entire areas and use these names as parts of formulas and commands
- "Linking" spreadsheets together by using named cells and areas from inactive spreadsheets onto the active sheet
- Move, insert, or delete rows and columns of data cause the remaining rows, columns, or extra space to be automatically expanded and contracted
- Multiple windows for concurrent display of different parts of the spreadsheet
- Reference to a particular cell may be symbolic, absolute or relative to another cell
- Saves "model-in-progress" state facilitating multiple sessions
- Automatic adjustment of references when rows or columns are inserted or deleted

## THE USER INTERFACE

CTIX Spreadsheet provides a user interface that is highly consistent with that of the CTIX Word Processor. Wherever possible, analogous functions use common function keys and keystroking conventions. This is especially important in the CTIX Office System environment in which users may rapidly switch between windows containing documents and spreadsheets, copying and/or moving data between "unlike" media.

The current spreadsheet consists of "cells" that are addressable by row (0-999) and column (0-999) numbers. Each cell can hold a numeric or text value that is represented either by a constant or an expression. The currently active cell is always highlighted.

## FEATURES

### Display:

- Matrix Size: 1000 rows x 1000 columns
- Cell Size: 1-77
- Cursor Keys: 8

### Windows:

- Horizontal
- Vertical
- Titles

### Expressions:

+, -, /, \*, ^, <, <=, >, >=, =, !=

## Cell Formatting: (Single and Multiple)

Fixed Point	Bar Graph
Width	% (Percentage)
Fixed Point	\$ (Dollar)
Scientific	

### Data Manipulation:

- Blank Multiple Cells
- Column/Row Deletion
- Column/Row Move
- Copy/Replicate Column/Row
- Formula Editing
- Automatic/Manual Recalculation

### Printing:

- Listing to Printer/File
- Print Formula
- Save Model on File
- Load Model from File
- Delete Model File

### Functions:

ABS	EXP	MOD
ACOS	FV	MONTH
AND	IF	NA
ASIN	INT	OR
ATAN	IRR	PI
AVG	ISNA	PV
BLANK	LABEL	ROW
COL	LEFT	SEL
COUNT	LN	SIN
DATE	LOG <sub>10</sub>	SQR
DAYS	LOOKUP	STD
DEPR	LSQ	SUM
ERR	MAX	TAN



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